

# Marc Girons Lopez

<b>Address</b>	Flogstavägen 81E 752 72 Uppsala (Sweden)	<b>Homepage</b>	gironslopez.me
<b>Birth</b>	5 September 1986, Barcelona (Spain)	<b>Github://</b>	GironsLopez
<b>Nationality</b>	Spanish	<b>LinkedIn://</b>	marcgirons
		<b>Email</b>	m.girons@gmail.com

## EDUCATION

- 2016**      **PhD, Hydrology**  
Uppsala University, Uppsala (Sweden)  
Expected graduation date: October the 20<sup>th</sup>
- 2011**      **MSc, Earth Sciences (Hydrology/Hydrogeology)**  
Uppsala University, Uppsala (Sweden)
- 2009**      **BSc, Geology**  
Universitat Autònoma de Barcelona (UAB), Barcelona (Spain)
- 2008**      **ERASMUS Program**  
Université Joseph Fourier (Grenoble 1), Grenoble (France)

## PUBLICATIONS

### PEER-REVIEWED PUBLICATIONS

**Girons Lopez, M.**, Seibert, J. (2016). Influence of Hydro-Meteorological Data Spatial Aggregation on Streamflow Modelling. *Journal of Hydrology, In Press, Accepted Manuscript*.

**Girons Lopez, M.**, Wennerström, H., Nordén, L.-Å., Seibert, J. (2015) Location and density of Rain Gauges for the Estimation of Spatial Varying Precipitation. *Geografiska Annaler. Series A, Physical Geography*.

### MANUSCRIPTS UNDER PREPARATION

**Girons Lopez, M.**, Di Baldassarre, G., Seibert, J. (2016). Assessing the Impact of Social Memory on Flood Early Warning Systems. *Manuscript submitted for publication*.

Rivera, S., **Girons Lopez, M.**, Seibert, J., Minsker, B. (2016). Probabilistic Flood Mapping Using Volunteered Geographical Information. *Manuscript under preparation*.

### THESIS

**Girons Lopez, M.** (2011) Modelling Climatic and Hydrological Variability in Lake Babati, Northern Tanzania. *Master Thesis, Stockholm University, Sweden*.

### THESIS UNDER REPARATION

**Girons Lopez, M.** (2016) Information Needs for Water Resource and Risk Management: Hydro-Meteorological Data Value and Non-Traditional Information *PhD Thesis, Uppsala University, Sweden*

## CONFERENCE CONTRIBUTIONS

**Girons Lopez, M.**, Di Baldassarre, G., Seibert, J. (2016) Impact of Social Memory on the Efficiency of Flood Early Warning Systems (FEWS). *13th Congress INTERPRAEVENT 2016, Lucerne, Switzerland.*

**Girons Lopez, M.**, Di Baldassarre, G., Grabs, T., Halldin, S., Seibert, J. (2016) Exploring the Role of Social Memory of Floods for Designing Flood Early Warning Operations. *EGU General Assembly, Vienna, Austria.*

Rivera, S., **Girons Lopez, M.**, Minsker, B., Seibert, J. (2015) Probabilistic Flood Mapping using Volunteered Geographical Information. *3rd CUAHSI Conference on Hydroinformatics, Tuscaloosa, Alabama.*

**Girons Lopez, M.**, Seibert, J., Halldin, S., Wennerström, H. (2013) Value of distributed precipitation for flood early warning: A case study for a pre-alpine catchment in Switzerland. *Knowledge for the Future - Joint IAHS-IAPSO-IASPEI Assembly, Gothenburg, Sweden.*

Mbanguka, R. P., **Girons Lopez, M.**, Jarsjö, J. (2013) A Water Balance Model for Assessing Hydro Climatic Variability in Tropical Lake Systems: Application to Lake Babati and Lake Emakat, Northern Tanzania. *EGU General Assembly, Vienna, Austria.*

## GRANTS, AWARDS, & HONOURS

2016	EGU Photo contest 2016 winner
2015	CUAHSI Research Fellowship to participate in the National Flood Interoperability Experiment (NFIE) at the US National Water Center (Tuscaloosa, Alabama)
2014	Liljewalchs travel grant
2010	The Swedish-Spanish Foundation for the Promotion of Education and Studies Scholarship
2007	ERASMUS Scholarship

## RESEARCH PROJECTS

- Involved in the Swedish Natural Disaster Mitigation Research School.
- Involved in the National Flood Interoperability Experiment

## OTHER ACADEMIC ACTIVITIES

2016	<b>Translator for EGU's Planet Press outreach initiative</b> <ul style="list-style-type: none"><li>- Picturing the Northern Lights (Spanish translation)</li><li>- Tiny Plankton could have a big impact on Earth's climate (Spanish translation)</li><li>- Half a degree makes a world of difference (Spanish translation)</li></ul>
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# TEACHING

## TRAINING

**2015 Academic Teacher Training Course II**  
Uppsala University, Uppsala (Sweden)

## INSTRUCTOR

### **Climate and Landscape**

Uppsala University, Spring 2013

*Taught the part of the course related with water in the landscape*

### **Hydrology and Water Resource Management**

Uppsala University, Autumn 2012 - 2016

*Taught the part of the course related with atmospheric water, led field runoff measurements and a water balance estimation project, constructed and graded exams.*

### **Field Methods in Earth Science**

Uppsala University, Spring 2015 - 2016

*Taught how to use data loggers for environmental modelling and led a project on evapotranspiration estimation based on field measurements.*

### **Groundwater and Surface Water Modelling**

Uppsala University, Spring 2015 - 2016

*Taught the fundamentals of hydrological with HBV, led a project on hydrological modelling and held a seminar.*

## TEACHING ASSISTANT

**Meteorology, hydrology and Environmental Measurement Techniques** Uppsala University, Autumn 2013 - 2016 *Led numerical exercise solving sessions, field measurements of a number of hydrological processes and processing of field data.*

**Distribution and Treatment of Drinking Water** Uppsala University, Autumn 2011 - 2012 *Assisted students during laboratory work, graded exercises and exams.*

**GIS for Water Resources** Uppsala University, Spring 2012 - 2016 *Constructed laboratory instructions and assisted students during laboratory work.*

**Runoff** Uppsala University, Autumn 2012 - 2014 *Assisted students during laboratory work.*

**Soil Mechanics and Engineering Geology** Uppsala University, Autumn 2012 - 2015 *Reviewed concepts of classical mechanics at the beginning of the course and graded exercises.*

**Groundwater and Runoff modelling** Uppsala University, Autumn 2012 - 2014 *Led a project on hydrological modelling using HBV and graded reports.*

**Statistical Methods in Hydrology** Uppsala University, Spring 2012 *Graded exams.*

**Snow Physics and Hydrology** Uppsala University, Fall 2015 *Assisted students during laboratory work.*

**Field Course in Earth Science II** Uppsala University, Spring 2013 - 2014 *Led field measurements of a number of hydrological processes.*

**Global Hydrology** Uppsala University, Autumn 2011 *Led topographic field measurements.*

## OTHER EMPLOYMENT

- 2009      Lab technician intern**  
Laboratori Català de Control (Barcelona, Spain)  
Quality control of soils and construction materials for civil engineering projects as well as water analyses and adoption of ISO rules.
- 2008      Consultant intern**  
URS (Barcelona, Spain)  
Environmental control tests, soil decontamination and hydro-geological data processing as well as limnology field work for quality control of riverine systems

## REPRESENTATION DUTIES

- 2014 - 2016**   PhD student representative at the Centre for Natural Disaster Science (CNDS)  
Program board
- 2013**          PhD student representative at the Department of Earth Sciences Board,  
Uppsala University, Uppsala, Sweden
- 2007**          Student representative at the Geology Section Board, Universitat Autònoma de  
Barcelona, Barcelona, Spain

## SKILLS

### PROGRAMMING

Python • Matlab •  $\text{\LaTeX}$  • Markdown

### SOFTWARE

ArcGIS • QGIS • HBV

### LANGUAGES

**Native:** Catalan • Spanish

**Fluent:** English • French

**Intermediate:** Swedish